

Set	Items	Description
S1	774239	URINE? OR URINAT?
S2	7092656	COLLECT? OR SAMPL??? OR SPECIMEN?
S3	795833	WATER(2N)(SOLUBLE? OR SOLUBILIT?) OR DISINTEGRA? OR DISSOL- V? OR DISSOLU? OR (BREAK? ? OR BROKEN)(1W)DOWN OR DISPERSAB?
S4	9868478	ADHESIVE? OR GLUE? ? OR MATERIAL? ? OR SUBSTANCE? OR FABRI- C? ? OR COMPOSITION?
S5	21110	METHYLCELLULOSE OR METHYL()CELLULOSE
S6	2106435	SEAL? ? OR SEALED OR SEALING OR CLOSE? ? OR CLOSING OR CLO- SURE? OR SHUT? ? OR SHUTTING
S7	2747968	OPEN? ? OR OPENED OR OPENING OR APERTURE? OR ENTRY OR ENTR- IES OR INLET OR ENTRANCE? OR WINDOW? ? OR PASSAGE?
S8	123448	S1(5N)S2
S9	41393	S3(5N)S4
S10	52	S8 AND (S9 OR S5)
S11	15	S10/2003:2004
S12	1	S10/2005:2006
S13	36	S10 NOT S11:S12
S14	24	RD (unique items)
S15	4013	S3(5N)S6:S7
S16	8	S8 AND S15

S17	8	S16 NOT S13
S18	4	RD (unique items)
S19	80536	S4:S5(5N)S6:S7
S20	75	S8 AND S19
S21	12	S20/2003:2004
S22	13	S20/2005:2006
S23	50	S20 NOT (S21:S22 OR S13 OR S17)
S24	30	RD (unique items)

? show files

File 155:MEDLINE(R) 1950-2006/Jun 28  
(c) format only 2006 Dialog

File 73:EMBASE 1974-2006/Jun 29  
(c) 2006 Elsevier Science B.V.

File 5:Biosis Previews(R) 1969-2006/Jun W4  
(c) 2006 The Thomson Corporation

File 6:NTIS 1964-2006/Jun W3  
(c) 2006 NTIS, Intl Cpyrght All Rights Res

File 67:World Textiles 1968-2006/Jun  
(c) 2006 Elsevier Science Ltd.

File 248:PIRA 1975-2006/Jun W2  
(c) 2006 Pira International

File 23:CSA Technology Research Database 1963-2006/Jun  
(c) 2006 CSA.

File 34:SciSearch(R) Cited Ref Sci 1990-2006/Jun W4  
(c) 2006 Inst for Sci Info

File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
(c) 1998 Inst for Sci Info

File 35:Dissertation Abs Online 1861-2006/Jun  
(c) 2006 ProQuest Info&Learning

File 65:Inside Conferences 1993-2006/Jun 29  
(c) 2006 BLDSC all rts. reserv.

File 94:JICST-EPlus 1985-2006/Mar W4  
(c)2006 Japan Science and Tech Corp(JST)

File 144:Pascal 1973-2006/Jun W1  
(c) 2006 INIST/CNRS

File 95:TEME-Technology & Management 1989-2006/Jun W4  
(c) 2006 FIZ TECHNIK

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Set	Items	Description
S1	28022	URINE? OR URINAT?
S2	989784	COLLECT? OR SAMPL??? OR SPECIMEN?
S3	532264	WATER(2N) (SOLUBLE? OR SOLUBILIT?) OR DISINTEGRA? OR DISSOL- V? OR DISSOLU? OR (BREAK? ? OR BROKEN) (1W)DOWN OR DISPERSAB?
S4	5638457	ADHESIVE? OR GLUE? ? OR MATERIAL? ? OR SUBSTANCE? OR FABRI- C? ? OR COMPOSITION?
S5	29299	METHYLCELLULOSE OR METHYL()CELLULOSE
S6	2030554	SEAL? ? OR SEALED OR SEALING OR CLOSE? ? OR CLOSING OR CLO- SURE? OR SHUT? ? OR SHUTTING
S7	3077612	OPEN? ? OR OPENED OR OPENING OR APERTURE? OR ENTRY OR ENTR- IES OR INLET OR ENTRANCE? OR WINDOW? ? OR PASSAGE?
S8	489493	IC=(A61M? OR A61F? OR A61B? OR A61D?)
S9	6489	S1(5N)S2
S10	62966	S3(5N)S4
S11	56	S9 AND (S10 OR S5)
S12	12	S11 AND S8
S13	36	S9 AND S10
S14	29	S13 NOT S12
S15	3993	S3(5N)S6:S7
S16	5	S9 AND S15
S17	4	S16 NOT S12
S18	75	S1 AND S2 AND (S10 OR S15)
S19	3	(S18 NOT (S12 OR S16)) AND S8
S20	231966	S4:S5(5N)S6:S7
S21	56	S9(S)S20
S22	36	(S21 NOT (S12 OR S16 OR S19)) AND S8
S23	78390	PEDIATRIC? OR PAEDIATRIC? OR CHILD OR CHILDREN OR TOT OR T- OTS OR BABY OR BABIES OR NEWBORN?
S24	77	S9(S)S23
S25	35	(S24 NOT (S12 OR S16 OR S19 OR S22)) AND S8

? show files

File 347:JAPIO Dec 1976-2005/Dec(Updated 060404)

(c) 2006 JPO & JAPIO

File 350:Derwent WPIX 1963-2006/UD,UM &UP=200641

(c) 2006 The Thomson Corp.

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12/5/3 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2006 The Thomson Corp. All rts. reserv.

016146917 \*\*Image available\*\*  
WPI Acc No: 2004-304793/200428  
XRAM Acc No: C04-115812  
XRPX Acc No: N04-242746

**Disposable, sterile container for collection of uncontaminated urine samples from small children has an inlet initially sealed by water soluble adhesive material, to prevent first portion of fluid reaching to container**

Patent Assignee: JONSSON R (JONS-I); PERLHAGEN M (PERL-I); JOENSSON R (JOEN-I)

Inventor: JONSSON R; PERLHAGEN M; JOENSSON R

Number of Countries: 103 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200421890	A1	20040318	WO 2003SE1238	A	20030724	200428 B
SE 200202330	A	20040130	SE 20022330	A	20020729	200428
SE 522982	C2	20040323	SE 20022330	A	20020729	200428
AU 2003247318	A1	20040329	AU 2003247318	A	20030724	200459
EP 1560522	A1	20050810	EP 2003794376	A	20030724	200552
			WO 2003SE1238	A	20030724	
US 20050240164	A1	20051027	WO 2003SE1238	A	20030724	200571
			US 2005522508	A	20050126	

Priority Applications (No Type Date): SE 20022330 A 20020729

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200421890 A1 E 16 A61B-010/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

SE 200202330 A A61B-010/00

SE 522982 C2 A61B-010/00

AU 2003247318 A1 A61B-010/00 Based on patent WO 200421890

EP 1560522 A1 E A61B-010/00 Based on patent WO 200421890

Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

US 20050240164 A1 A61M-001/00

Abstract (Basic): WO 200421890 A1

NOVELTY - A disposable sterile container (1) attached to the child's uro genital for **collection** of uncontaminated **urine sample** has an opening (4) and (5). (5) Initially sealed by **water soluble adhesive substance** or **material** (9), which is **dissolved** by the fluid with in a moment and sets opened, preventing first portion of fluid reaching to (1).

DETAILED DESCRIPTION - The absorbing material (7), is surrounded by waterproof barrier and gives an anatomically shaped contour to fit wearer of both sexes, is placed from the urethral meatus to (5). (4) and (5) contains channel, that eliminates direct contact between wearers skin and the inside of (1). The device has been optionally integrated with a dipper.

USE - In **collecting** the uncontaminated **urine samples** from

small children.

ADVANTAGE - Diagnosis and treatment can be done quickly since samples collected are uncontaminated.

DESCRIPTION OF DRAWING(S) - The figure shows a view of sterile container.

container (1)

opening (4)

inlet (5)

absorbing material (7)

**water soluble substance or material . (9)**

pp; 16 DwgNo 1/4

Title Terms: DISPOSABLE; STERILE; CONTAINER; COLLECT; UNCONTAMINATED; URINE ; SAMPLE; CHILD; INLET; INITIAL; SEAL; WATER; SOLUBLE; ADHESIVE; MATERIAL ; PREVENT; FIRST; PORTION; FLUID; REACH; CONTAINER

Derwent Class: A92; P31; P32; P34; Q34

International Patent Class (Main): **A61B-010/00 ; A61M-001/00**

International Patent Class (Additional): **A61B-005/00 ; A61F-005/44 ;**

B65D-081/00

File Segment: CPI; EngPI

**12/5/8 (Item 7 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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011792947 \*\*Image available\*\*

WPI Acc No: 1998-209857/199819

Urine collector and transfer device - has funnel shaped top and supports also at top, and is made of material which in time, becomes soluble in water **NoAbstract**

Patent Assignee: ROEMPKE H (ROEM-I)

Inventor: ROEMPKE H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
HU 76906	T	19971229	HU 953356	A	19951124	199819 B

Priority Applications (No Type Date): HU 953356 A 19951124

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
HU 76906	T			A61M-001/00	

Title Terms: URINE; COLLECT; TRANSFER; DEVICE; FUNNEL; SHAPE; TOP; SUPPORT; TOP; MADE; MATERIAL; TIME; SOLUBLE; WATER; NOABSTRACT

Derwent Class: P34

International Patent Class (Main): **A61M-001/00**

File Segment: EngPI

**12/5/9 (Item 8 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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009376741

WPI Acc No: 1993-070219/199309

XRAM Acc No: C93-030906

XRPX Acc No: N93-053937

Urine - collecting bag, without leakage - comprises water-absorbing resin layer on inside surface of water impermeable body having open-end

Patent Assignee: NITTO CHEM IND CO LTD (NITT )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 5015549	A	19930126	JP 91233907	A	19910820	199309 B

Priority Applications (No Type Date): JP 91130589 A 19910502

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 5015549	A		4	A61F-005/44	

Abstract (Basic): JP 5015549 A

Bag has a water-absorbing resin layer on the inside surface of a water-semipermeable bag body having an open end. The resin layer pref. contains a deodorant(s). Pref. an urine-passing material is provided on the inside surface of the resin layer. The bag body pref. has a fixing part to wear on the human body.

Water-absorbing resins include gluten, methyl vinyl ether-maleic acid copolymer, acrylic acid-vinyl alcohol copolymer, carboxycellulose-acrylic acid graft copolymer, polyvinyl pyrrolidone and crosslinked **carboxymethyl cellulose**. To achieve rapid absorption and gelling, the resin is pref. a mixt. of an anionic and a cationic resin(s). The deodorant is cysteine. The fixing part is typically a belt.

USE/ADVANTAGE - The resin layer absorbs urine rapidly to gel, without leakage. Even when a large amt. of urine is passed, the urine-passing material distributes the urine uniformly, improving the absorption efficiency. The bag can be worn on various parts of the

Dwg.0/4

Title Terms: URINE; COLLECT; BAG; LEAK; COMPRISE; WATER; ABSORB; RESIN; LAYER; SURFACE; WATER; IMPERMEABLE; BODY; OPEN-END

Derwent Class: A96; D22; P32

International Patent Class (Main): **A61F-005/44**

File Segment: CPI; EngPI

12/5/10 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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004527438

WPI Acc No: 1986-030782/198605

XRPX Acc No: N86-022218

**Sterile midstream urine collector - has cup with cover of water - soluble material which disintegrates to allow uncontaminated portion of urine stream to enter cup**

Patent Assignee: CAWOOD C D (CAWO-I)

Inventor: CAWOOD C D

Number of Countries: 004 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2162312	A	19860129	GB 8419331	A	19840728	198605 B
DE 3430356	A	19860220				198609
JP 61048340	A	19860310				198616
CA 1232810	A	19880216				198811
GB 2162312	B	19880810				198832

Priority Applications (No Type Date): GB 8419331 A 19840728

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2162312	A		14		

Abstract (Basic): GB 2162312 B

:

The **urine collector** has an open-ended tubular body (11) and a cup (16) mounted, the cup having its open top equipped with a cover (18) that is formed at least in part of a **water - soluble material**. During use of the device, the cover initially deflects from the cup a stream of **urine** flowing through the **collector**. Within seconds the cover dissolves sufficiently to allow a subsequent uncontaminated portion of the stream to enter the cup.

A sample evacuation passage (25,225) extends from the cup and communicates, or is adapted to communicate, with a collection tube assembly which may take the form of an air-evacuated collection tube (29) with a piercable stopper (28) or a syringe with a retractable plunger. Pref. the cover is dome-shaped and the cup is provided with a framework of arched supporting struts to maintain the domed condition. (14pp Dwg.No.1/17

Title Terms: STERILE; MIDSTREAM; URINE; COLLECT; CUP; COVER; WATER; SOLUBLE ; MATERIAL; DISINTEGRATE; ALLOW; UNCONTAMINATED; PORTION; URINE; STREAM; ENTER; CUP

Derwent Class: P28; P31; P32; S03

International Patent Class (Additional): A47K-011/00; **A61B-005/20** ;

**A61B-010/00** ; **A61F-005/44** ; G01N-001/20; G01N-033/48

File Segment: EPI; EngPI

12/5/11 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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003683417

WPI Acc No: 1983-43393K/198318

XRAM Acc No: C83-042306

XRPX Acc No: N83-078113

**One-time urine container destruction capsule - contains gel-forming material , and is impervious to or dissolved by urine**

Patent Assignee: DABI CHEM LTD AB (DABI-N)

Inventor: STRANDBERG G

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SE 8104698	A	19830307				198318 B

Priority Applications (No Type Date): SE 814698 A 19810805

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
SE 8104698	A		10		

Abstract (Basic): SE 8104698 A

A container for **collecting urine** , encloses a capsule contg. a mixt. of gel forming components of cellulose. The contents can be made to contact the **collected urine** in a predetermined time.

Provides expendable **urine** container for **collection of urine** from incontinent people. Also it can be used to **collect urine** from a catheter connected to the bladder. The capsule is designed to be broken after the container is removed from the person, so as to gel the urine. (Provisional Basic previously advised in Week K12).

Title Terms: ONE; TIME; URINE; CONTAINER; DESTROY; CAPSULE; CONTAIN; GEL; FORMING; MATERIAL; IMPERVIOUS; DISSOLVE; URINE

Derwent Class: A96; D22; P32

International Patent Class (Additional): **A61F-005/44**

File Segment: CPI; EngPI

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17/5/4 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2006 The Thomson Corp. All rts. reserv.

009757574 \*\*Image available\*\*  
WPI Acc No: 1994-037425/199405  
XRAM Acc No: C94-017108  
XRPX Acc No: N94-029074

**Urine testing appts. - has urine sampling part and judging part with  
sampling part detached from judging part after use.**

Patent Assignee: DAINIPPON PRINTING CO LTD (NIPQ )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 5340942	A	19931224	JP 92150918	A	19920610	199405 B

Priority Applications (No Type Date): JP 92150918 A 19920610

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 5340942	A		5 G01N-033/50	

Abstract (Basic): JP 5340942 A

In a **urine** testing appts. having a **urine sampling** part and a judging part, the **urine sampling** part is detached from the judging part after use.

The part to check wetting with **urine** is provided at the **urine sampling** part and is formed by e.g. an ink.

USE/ADVANTAGE - A part of the testing matter contacted directly with **urine**, i.e. the **urine sampling** part, is detached from the judging part after use. Also whether **urine** contacts the **urine sampling** parts or not is easily checked by the part of checking wetting with urine.

In an example, the urine testing matter is shown in the figure. (41) is a part of supporter (41') is another part of supporter, and (5) is the water absorbing matter held between (41) and (41'), (47) and (44) are windows for checking wetting with urine (43) is **window** for judging part. (51) is **water - soluble** cellulose (e.g. CD-2N) which is dissolved and collapsed in contact with water in urine and (52) is e.g. filter paper impregnated with analytical reagent(s). (46) of part (41) and (46) of part (41') are ditches which makes it possible to easily detach the part corresp. to **urine sampling** part (51) from the judging part corresp. to (52) by bending by hand after use. The **urine sampling** part is easily discarded by detecting and the judging part is conveniently stored or transported.

Dwg.2/2

Title Terms: URINE; TEST; APPARATUS; URINE; SAMPLE; PART; JUDGEMENT; PART; SAMPLE; PART; DETACH; JUDGEMENT; PART; AFTER

Derwent Class: B04; J04; S03

International Patent Class (Main): G01N-033/50

International Patent Class (Additional): G01N-033/48

File Segment: CPI; EPI

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19/5/3 (Item 3 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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004308141  
WPI Acc No: 1985-135019/198523  
XRAM Acc No: C85-058907  
XRPX Acc No: N85-101530

**Biological samples test device - having container contg. water-soluble barriers sub-dividing into superposed chambers**

Patent Assignee: GENETIC DIAGNOSTIC CORP (GENE-N)  
Inventor: DEUTSH A; PLATT H A  
Number of Countries: 014 Number of Patents: 006  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
AU 8433773	A	19850418	AU 8433773	A	19841002	198523 B
US 4522923	A	19850611	US 83538692	A	19831003	198526
ZA 8407706	A	19850401	ZA 847706	A	19841001	198528
JP 60105963	A	19850611	JP 84205709	A	19841002	198529
EP 149006	A	19850724	EP 84111694	A	19840930	198530
CA 1215321	A	19861216				198703

Priority Applications (No Type Date): US 83538692 A 19831003  
Cited Patents: DE 2857625; DE 2907635; US 4228127  
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
AU 8433773	A		19		
EP 149006	A	E			

Designated States (Regional): BE CH DE FR GB IT LI NL SE

Abstract (Basic): AU 8433773 A

Device comprises a container, at least two water-soluble barriers, subdividing the container into at least three superposed chambers, and different biologically active substances in each chamber.

USE/ADVANTAGE - Upon introduction of an aq. biological **sample** to be tested into the topmost chamber, the **sample** successively mixes with the contents of the chambers, the contact time in each chamber being a function of the **water - solubility** of the barriers. If the **substances** in each chamber are so chosen that the colour or absence of colour in the final chamber indicates the presence or absence of a particular material in the test **sample**, that substance may be tested for. This provides a method for conducting immunochemical reactions in a self-contained sealed unit that requires only the addition of an unknown **sample** and water, and thus provides an assay system that is safe and accurate even when used by an individual who is not technically trained.

0/3

Title Terms: BIOLOGICAL; **SAMPLE**; TEST; DEVICE; CONTAINER; CONTAIN; WATER; SOLUBLE; BARRIER; SUB; DIVIDE; SUPERPOSED; CHAMBER

Derwent Class: B04; P31; Q34; S03

International Patent Class (Additional): **A61B-000/00**; B01D-000/00;

B01L-003/00; B65D-071/00; G01N-033/50

File Segment: CPI; EPI; EngPI

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22/5/14 (Item 11 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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012883783 \*\*Image available\*\*

WPI Acc No: 2000-055616/200005

Related WPI Acc No: 2000-055613; 2000-055614; 2000-055615; 2000-055617

XRAM Acc No: C05-158829

XRPX Acc No: N05-427350

Adhesive urine collector with an optimal aperture for absorbing bodily fluids

Patent Assignee: PROCTER & GAMBLE CO (PROC )

Inventor: CINELLI F; COLES P; DACCHIOLI V; PALUMBO G; D'ACCHIOLI V

Number of Countries: 088 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 966936	A1	19991229	EP 98124723	A	19981228	200005 B
WO 200000114	A1	20000106	WO 99US12957	A	19990611	200009
AU 9945561	A	20000117	AU 9945561	A	19990611	200026
EP 1089683	A1	20010411	EP 99928510	A	19990611	200121
			WO 99US12957	A	19990611	
US 6464674	B1	20021015	WO 99US12957	A	19990611	200276 N
			US 2000720179	A	20001220	
JP 2003525645	W	20030902	WO 99US12957	A	19990611	200358
			JP 2000556700	A	19990611	
TW 572750	A	20040121	TW 99115407	A	19990907	200453
CA 2335699	C	20050510	CA 2335699	A	19990611	200532
			WO 99US12957	A	19990611	

Priority Applications (No Type Date): WO 98US13289 A 19980626; WO 98US13288 A 19980626; US 2000720179 A 20001220

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 966936	A1	E	12	A61F-005/451	
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI

WO 200000114	A1	E			
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Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW

AU 9945561	A				Based on patent WO 200000114
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EP 1089683	A1	E			Based on patent WO 200000114
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Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU NL PT SE

US 6464674	B1			A61F-013/15	Based on patent WO 200000114
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JP 2003525645	W		25	A61F-005/451	Based on patent WO 200000114
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TW 572750	A			A61F-013/15	
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CA 2335699	C	E		A61F-005/451	Based on patent WO 200000114
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Abstract (Basic): EP 966936 A1

NOVELTY - The urine collector (10) comprises a bag (11) with an aperture (21) and flange (12). The **aperture** is a slit for **adhesive** attachment to the uro-genital area oriented in the longitudinal direction. The bag is a flexible receptacle to hold the discharged urine matter and ensures good contact between the flange and the skin.

USE - For urine management in babies, children or adults to be adhesively attached to the genital area.

ADVANTAGE - The collector minimizes the skin contact with the urine

through the aperture. The aperture is not chosen larger than necessary, which reduces the source of malodor and leakages. The design greatly help in placement of the device but also the handling. The bag entraps the material safely, sufficiently strong to withstand ruptures and pressures exerted on it.

DESCRIPTION OF DRAWING(S) - Figure of a perspective view of the urine management device.

Urine collector (10)

Bag (11)

Flange (12)

Aperture (21)

pp; 12 DwgNo 1/2

Title Terms: ADHESIVE; URINE; COLLECT; OPTIMUM; APERTURE; ABSORB; BODY; FLUID

Derwent Class: D22; P32

International Patent Class (Main): A61F-005/451 ; A61F-013/15

International Patent Class (Additional): A61F-005/443 ; A61F-005/453 ;

A61F-005/455 ; A61G-009/00

File Segment: CPI; EngPI

22/5/15 (Item 12 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012883782 \*\*Image available\*\*

WPI Acc No: 2000-055615/200005

Related WPI Acc No: 2000-055613; 2000-055614; 2000-055616; 2000-055617

XRAM Acc No: C05-158828

XRPX Acc No: N05-427349

**Urine collector for providing increased comfort and satisfaction**

Patent Assignee: PROCTER & GAMBLE CO (PROC )

Inventor: DACCHIOLI V; PALUMBO G; D'ACCHIOLI V

Number of Countries: 087 Number of Patents: 010

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 966935	A1	19991229	EP 98124493	A	19981228	200005	B
WO 200000115	A1	20000106	WO 99US14604	A	19990628	200009	
AU 9950854	A	20000117	AU 9950854	A	19990628	200026	
EP 1089684	A1	20010411	EP 99935361	A	19990628	200121	
			WO 99US14604	A	19990628		
JP 2003527139	W	20030916	WO 99US14604	A	19990628	200362	
			JP 2000556701	A	19990628		
EP 1089684	B1	20041013	EP 99935361	A	19990628	200467	
			WO 99US14604	A	19990628		
CA 2335174	C	20041012	CA 2335174	A	19990628	200468	
			WO 99US14604	A	19990628		
DE 69921133	E	20041118	DE 99621133	A	19990628	200476	
			EP 99935361	A	19990628		
			WO 99US14604	A	19990628		
ES 2228075	T3	20050401	EP 99935361	A	19990628	200524	
DE 69921133	T2	20060223	DE 99621133	A	19990628	200615	
			EP 99935361	A	19990628		
			WO 99US14604	A	19990628		

Priority Applications (No Type Date): WO 98US13289 A 19980626; WO 98US13288 A 19980626

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 966935 A1 E 15 A61F-005/451

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT

LI LT LU LV MC MK NL PT RO SE SI  
 WO 200000115 A1 E A61F-005/451  
 Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN  
 CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
 LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK  
 SL TJ TM TR TT UA UG US UZ VN YU ZA ZW  
 Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
 IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW  
 AU 9950854 A A61F-005/451 Based on patent WO 200000115  
 EP 1089684 A1 E A61F-005/451 Based on patent WO 200000115  
 Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI  
 LU NL PT SE  
 JP 2003527139 W 26 A61F-005/451 Based on patent WO 200000115  
 EP 1089684 B1 E A61F-005/451 Based on patent WO 200000115  
 Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI  
 LU NL PT SE  
 CA 2335174 C E A61F-005/451 Based on patent WO 200000115  
 DE 69921133 E A61F-005/451 Based on patent EP 1089684  
 Based on patent WO 200000115  
 ES 2228075 T3 A61F-005/451 Based on patent EP 1089684  
 DE 69921133 T2 A61F-005/451 Based on patent EP 1089684  
 Based on patent WO 200000115

Abstract (Basic): EP 966935 A1

NOVELTY - The urine collector (10) comprises a bag (11) with a flange (12) having multiple lobes (16), surrounding an **aperture** (13) with an **adhesive** attachment to the uro-genital area. The outer surface of the bag has patches of adhesives (40) to secure the bag to the abdomen. The aperture allows urine to be received from the body to a bag. Straps of a body-compatible pressure sensitive adhesive (20) is applied the wearer facing section of the flange.

USE - For providing increased comfort and satisfaction to the wearer while having a softer tactile feel.

ADVANTAGE - The urine collector has a hydrophobic layer enhancing the softness without adversely affecting the functionality. It is also more aesthetically pleasing with less crinkles during use and provides a high level of wearer and carer satisfaction to skin healthiness.

DESCRIPTION OF DRAWING(S) - Figure of a plan view of a disposable urine management device.

Urine collector (10)  
 Bag (11)  
 Flange (12)  
 Aperture (13)  
 Lobes (16)  
 Pressure sensitive adhesive (20)  
 Patches of adhesives (40)  
 pp; 15 DwgNo 1/6

Title Terms: URINE; COLLECT; INCREASE; COMFORT

Derwent Class: D22; P32

International Patent Class (Main): A61F-005/451

International Patent Class (Additional): A61F-005/441 ; A61F-005/443 ;  
 A61F-005/453 ; A61F-005/455 ; A61F-013/15

File Segment: CPI; EngPI

22/5/16 (Item 13 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012883781 \*\*Image available\*\*

WPI Acc No: 2000-055614/200005

Related WPI Acc No: 2000-055613; 2000-055615; 2000-055616; 2000-055617  
XRPX Acc No: N00-043499

**Adhesive urine collector for holding bodily fluids**

Patent Assignee: PROCTER & GAMBLE CO (PROC )

Inventor: DACCHIOLI V; PALUMBO G; SCHMIDT G; SCHOLTZ M; D'ACCHIOLI V;  
SCHOLZ M

Number of Countries: 088 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 966934	A1	19991229	EP 98124718	A	19981228	200005 B
WO 200000111	A1	20000106	WO 99US12959	A	19990611	200009
ZA 9904017	A	20000329	ZA 994017	A	19990617	200022
AU 9945563	A	20000117	AU 9945563	A	19990611	200026
EP 1089680	A1	20010411	EP 99928512	A	19990611	200121
			WO 99US12959	A	19990611	
TW 416844	A	20010101	TW 99115414	A	19990907	200134
JP 2003525644	W	20030902	WO 99US12959	A	19990611	200358
			JP 2000556697	A	19990611	
CA 2335700	C	20040720	CA 2335700	A	19990611	200449
			WO 99US12959	A	19990611	

Priority Applications (No Type Date): WO 98US13289 A 19980626; WO 98US13288  
A 19980626

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 966934	A1	E	13	A61F-005/443	
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI

WO 200000111	A1	E			
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Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN  
CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK  
SL TJ TM TR TT UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW

ZA 9904017	A		19	A61F-000/00	
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AU 9945563	A				
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Based on patent WO 200000111

EP 1089680	A1	E			
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Based on patent WO 200000111

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI  
LU NL PT SE

TW 416844	A			A61F-013/15	
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JP 2003525644	W		29	A61F-005/451	Based on patent WO 200000111
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CA 2335700	C	E		A61F-005/443	Based on patent WO 200000111
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Abstract (Basic): EP 966934 A1

NOVELTY - The urine collector (10) comprises a bag (11) with a flange (12) surrounding an aperture (21). The bag is shaped to fit the uro-gentials of the wearer The flange, ensuring good contact, may be provided in any size and shape. The flange has facing section (22) and wearer facing section (23) that comprises a bulge beneath the **aperture** and a layer of **adhesive** . The flange it self is made of a soft, malleable material made of a hydrophobic material.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a method for a caretaker or a wearer for placing a urine management device.

USE - For use with babies, children or adults in holding bodily fluids

ADVANTAGE - The urine collector not only aids in placement but also assists in detachment and handling. The flange makes sure that urine does not come in contact with the perimeter surrounding the aperture protecting the wearer from skin irritations.

DESCRIPTION OF DRAWING(S) - Figure of a top plan view of the urine management device.

Urine collector (10)  
Bag (11)  
Flange (12)  
Aperture (21)  
Facing section (22)  
Wearer facing section (23)  
pp; 13 DwgNo 1/3

Title Terms: ADHESIVE; URINE; COLLECT; HOLD; BODY; FLUID

Derwent Class: D22; P32; P33

International Patent Class (Main): A61F-000/00 ; A61F-005/443 ;  
A61F-005/451 ; A61F-013/15

International Patent Class (Additional): A61F-005/445 ; A61G-009/00

File Segment: CPI; EngPI

22/5/17 (Item 14 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2006 The Thomson Corp. All rts. reserv.

012521074 \*\*Image available\*\*

WPI Acc No: 1999-327180/199927

XRPX Acc No: N99-245432

**Urine collection bag with inlet and outlet having common lead in, which is simpler to produce and has no spillage risk**

Patent Assignee: COLOPLAST AS (COLO-N)

Inventor: JORGENSEN T F; TANGHOJ A; JOERGENSEN T F; TANGHOEJ A

Number of Countries: 082 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9923978	A1	19990520	WO 98DK479	A	19981106	199927 B
DK 9701268	A	19990508	DK 971268	A	19971107	199936
AU 9910225	A	19990531	AU 9910225	A	19981106	199941

Priority Applications (No Type Date): DK 971268 A 19971107

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9923978	A1	E	22	A61F-005/451	
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Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU  
CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT UA UG US UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

AU 9910225	A	A61F-005/451	Based on patent WO 9923978
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DK 9701268	A	A61F-005/44	
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Abstract (Basic): WO 9923978 A1

NOVELTY - The urine collection bag(1) has front and rear walls formed of polymer **material** and with their edges **sealed** together. An inlet(5) transports **urine** into the **collection** bag and an outlet(7) empties the urine. The outlet comprises a siphon(17) and has an outlet valve(15) and the inlet and the outlet have a common lead-in in the bag.

DETAILED DESCRIPTION - the inlet and the outlet form a common tube communicating between the lowest point (18) of the bag and the point where the inlet is connected to the outlet. An INDEPENDENT CLAIM is included for an assembly joint for a urine collection bag.

USE - Esp. by people who are chair bound due to paralysis( e.g. tetraplegia, paraplegia, sclerosis and spina bifida.

ADVANTAGE - Is simple to produce and use without the risk of spillage.

DESCRIPTION OF DRAWING(S) - Illustrates the bag according to the invention.

urine collection bag (1)  
inlet (s)  
outlet (7)  
siphon (17)  
outlet valve (15)  
pp; 22 DwgNo 2/8

Title Terms: URINE; COLLECT; BAG; INLET; OUTLET; COMMON; LEAD; SIMPLE; PRODUCE; NO; SPILL; RISK

Derwent Class: P32

International Patent Class (Main): A61F-005/451

International Patent Class (Additional): A61F-005/44 ; B65D-033/36

File Segment: EngPI

22/5/18 (Item 15 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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012515062 \*\*Image available\*\*

WPI Acc No: 1999-321168/199927

XRPX Acc No: N99-241301

**Urine receiver for female patients - has water proof elastic touch pad provided at perimeter of opening in bag**

Patent Assignee: JUJO KIMBERLY KK (SEJJ ); KAIGO KIKI KAIHATSU KK (KAIG-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11113946	A	19990427	JP 97294869	A	19971013	199927 B

Priority Applications (No Type Date): JP 97294869 A 19971013

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 11113946	A		8 A61F-005/455	

Abstract (Basic): JP 11113946 A

NOVELTY - A long bag (1) made of soft elastic material, has opening corresponding to shape of perimeter of female urethral opening. The bag is made to bulge out wardly and the shape is retained by providing a shape retainer (7) along lateral inner surface of the bag. Perimeter of opening of the bag is provided with an elastic touch pad (2) with water proof property. DETAILED DESCRIPTION - The internal surface of the bag is lined with an **urine** absorbant pad (8). An **urine collector** (5) is formed at lower portion of the bag. A urine withdrawing pipe (6) is vertically insertive through an opening formed at top portion of the bag. An air introduction hole (9) is formed at top portion of the bag.

USE - Urine receiver for female patients. DESCRIPTION OF DRAWING(S) - The figure shows sectional view and front elevation view of the urine receiver. (1) Bag; (2) Touch pad; (5) Urine collector; (6) Urine withdrawing pipe; (7) Shape retainer; (8) Absorbant pad.

Dwg.2/12

Title Terms: URINE; RECEIVE; FEMALE; PATIENT; WATER; PROOF; ELASTIC; TOUCH; PAD; PERIMETER; OPEN; BAG

Derwent Class: P32; P33

International Patent Class (Main): A61F-005/455

International Patent Class (Additional): A61G-009/00

File Segment: EngPI

**22/5/19 (Item 16 from file: 350)**

DIALOG(R)File 350:Derwent WPIX  
(c) 2006 The Thomson Corp. All rts. reserv.

012168406 \*\*Image available\*\*

WPI Acc No: 1998-585317/199850

XRAM Acc No: C98-175258

XRPX Acc No: N98-456286

**Nappy for collecting urine sample from small children of either sex - has waterproof internal coating and opening located near outlet of urinary tract, with pouch sealed to it**

Patent Assignee: TECIRLI R (TECI-I)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 29814465	U1	19981105	DE 98U2014465	U	19980812	199850 B

Priority Applications (No Type Date): DE 98U2014465 U 19980812

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
DE 29814465	U1	6	A61F-013/15	

Abstract (Basic): DE 29814465 U

The nappy (1) has an internal central region (3) with waterproof flexible coating (5) facing the body. Inside this region an opening (5) is located near the outlet of the urinary tract. Through the opening, a pouch (7) of waterproof, flexible material extends towards the exterior. In the region of the opening, the pouch is sealed, water tight, onto the coating. Preferred variants for male and female infants are described.

USE - The nappy is used to collect a urine sample from small children.

ADVANTAGE - The nappy avoids possibly painful use of adhesives to make a seal, in **collecting the urine sample**.

Dwg.1/4

Title Terms: NAPKIN; COLLECT; URINE; SAMPLE; CHILD; SEX; WATERPROOF; INTERNAL; COATING; OPEN; LOCATE; OUTLET; URINE; TRACT; POUCH; SEAL

Derwent Class: D22; F07; P32

International Patent Class (Main): **A61F-013/15**

International Patent Class (Additional): **A61F-005/44**

File Segment: CPI; EngPI

**22/5/25 (Item 22 from file: 350)**

DIALOG(R)File 350:Derwent WPIX  
(c) 2006 The Thomson Corp. All rts. reserv.

010588909 \*\*Image available\*\*

WPI Acc No: 1996-085862/199609

XRPX Acc No: N96-072101

**Urine collector for use by female astronauts - comprises container filled with absorbent material, inlet with edge seal and perforated inner partition**

Patent Assignee: BELOV A A (BELO-I)

Inventor: BELOV A A; BUDOVSKAYA L L; EFIMOV V P

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 1117880	A1	19950727	SU 3568662	A	19830328	199609 B

Priority Applications (No Type Date): SU 3568662 A 19830328

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
SU 1117880 A1 3 A61F-005/442

Abstract (Basic): SU 1117880 A

The collector consists of a container (1) with an inlet (2) and a drain port (3) covered by a moisture-resistant mesh. The container's walls are rigid and its inner chamber is filled with a moisture-absorbing granulated substance, e.g. polyvinyl formal foam. The inlet has an elastic seal (5) and a perforated partition (6) made from a moisture absorbing material with a pile facing towards the user.

During use the collector is pressed against the body and the urine passes through the partition to be absorbed by the material inside the container, while gases pass out through the drain port.

ADVANTAGE - Contains and absorbs urine in weightless conditions; can be employed while wearing space suit. Bul. 21/27.7.95

Dwg.1/2

Title Terms: URINE; COLLECT; FEMALE; ASTRONAUT; COMPRISE; CONTAINER; FILLED ; ABSORB; MATERIAL; INLET; EDGE; SEAL; PERFORATION; INNER; PARTITION

Derwent Class: P32

International Patent Class (Main): A61F-005/442

File Segment: EngPI

22/5/26 (Item 23 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009460260 \*\*Image available\*\*

WPI Acc No: 1993-153787/199319

XRAM Acc No: C93-068606

XRPX Acc No: N93-117631

**Urine collecting device for women - having hydrophobic particles in urine draining chamber, comprising e.g. polyethylene@, polystyrene or polypropylene@**

Patent Assignee: ALCARE CO LTD (ALCA-N); AKCARE CO LTD (AKCA-N)

Inventor: KUBO Y

Number of Countries: 003 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 4236097	A1	19930506	DE 4236097	A	19921026	199319 B
GB 2261171	A	19930512	GB 9222176	A	19921022	199319
US 5295983	A	19940322	US 92969430	A	19921030	199411
GB 2261171	B	19950809	GB 9222176	A	19921022	199535
DE 4236097	C2	19961031	DE 4236097	A	19921026	199648

Priority Applications (No Type Date): JP 91313472 A 19911101

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

DE 4236097 A1 7 A61F-005/455

GB 2261171 A 10 A61F-005/455

US 5295983 A 7 A61F-004/44

DE 4236097 C2 7 A61F-005/455

GB 2261171 B A61F-005/455

Abstract (Basic): DE 4236097 A

Device comprises a urine collecting bag made of waterproof, soft material and has (i) a waterproof, spin contacting surface (2) for covering a region extending from the mons pubis (21) to the perineum



(22) and in which there is a section with an **opening** (3) of highly elastic **material** facing the urine tube outlet; (ii) a urine draining chamber (12), arranged inside the **urine collecting** bag, with a **urine** outlet (15), separated from the opening (3) by a waterproof membrane (5) and separated from the skin contacting surface (2) by a membrane (11), (iii) hydrophobic particles (13) enclosed in the urine draining chamber and (iv) a space between the skin contacting surface (2) and the waterproof membrane (11).

ADVANTAGE - The device is simple and can be inserted and removed easily, and does not cause discomfort.

Dwg.2/2

Title Terms: URINE; COLLECT; DEVICE; WOMAN; HYDROPHOBIC; PARTICLE; URINE; DRAIN; CHAMBER; COMPRISE; POLYETHYLENE; POLYSTYRENE; POLYPROPYLENE

Derwent Class: A96; D22; P28; P31; P32; Q34

International Patent Class (Main): **A61F-004/44** ; **A61F-005/455**

International Patent Class (Additional): A47K-011/00; **A61B-005/00** ;

**A61F-005/44** ; B65D-081/00

File Segment: CPI; EngPI

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25/5/1 (Item 1 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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017719447 \*\*Image available\*\*  
WPI Acc No: 2006-230718/200624  
Related WPI Acc No: 2006-240200  
XRAM Acc No: C06-075681  
XRPX Acc No: N06-198022

**Device for collecting midstream portion of urine discharge from medical patient, comprises collection funnel, a chamber having tapered restriction point and port, connecting tube, collection tube and reservoir**

Patent Assignee: STEWART D M (STEW-I); STEWART S C (STEW-I)

Inventor: STEWART D M; STEWART S C

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20060064033	A1	20060323	US 2004949621	A	20040923	200624 B

Priority Applications (No Type Date): US 2004949621 A 20040923

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20060064033	A1	13	A61B-005/00	

Abstract (Basic): US 20060064033 A1

NOVELTY - A urination collection device comprises a collection funnel (100) discharging into a chamber (108) via a funnel outlet (104). The chamber has a tapered restriction point (124) or a valve at a distal end, and a port (112) located above the funnel outlet. The restriction point discharges to a reservoir (132). The apparatus includes a connecting tube (116) snugly fitting into the port, and at least one collection tube (120) connected to the chamber via the connecting tube.

DETAILED DESCRIPTION - The chamber is preferably transparent. The urination collection device further comprises a multidirectional stopcock (118) located between the connecting tube and the collection tube. The reservoir is selected from a bed pan, a toilet or a collection bag. The urination collection device is preferably constructed of a material that can be autoclaved.

USE - The device is useful for collecting a midstream portion of a urine discharge from a medical patient (claimed) having urinary tract infection, or undergoing chemotherapy or afflicted with chronic or debilitating illness; useful for urine collection of adult male and female patients, and geriatric and **pediatric** populations.

ADVANTAGE - The urine collection device provides sanitary and simple collection of mid-stream urine discharges from medical patients, without contamination and independent of an initial position of the urine discharge. The urination collection device can be reused after contamination with the urine sample. The collection chamber constructed of transparent material, allows direct observation of the accumulation of urine by the patient or medical practitioner.

DESCRIPTION OF DRAWING(S) - The figure shows a urine collection device.

- collection funnel (100)
- funnel outlet (104)
- chamber (108)
- port (112)
- connecting tube (116)
- stopcock (118)
- collection tube (120)
- tapered restriction point (124)

reservoir. (132)  
pp; 13 DwgNo 1/8  
Title Terms: DEVICE; COLLECT; MIDSTREAM; PORTION; URINE; DISCHARGE; MEDICAL  
; PATIENT; COMPRISE; COLLECT; FUNNEL; CHAMBER; TAPER; RESTRICT; POINT;  
PORT; CONNECT; TUBE; COLLECT; TUBE; RESERVOIR  
Derwent Class: B04; P31  
International Patent Class (Main): A61B-005/00  
File Segment: CPI; EngPI

25/5/7 (Item 7 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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017059660 \*\*Image available\*\*  
WPI Acc No: 2005-383985/200539  
Related WPI Acc No: 2005-383986  
XRAM Acc No: C05-118766  
XRPX Acc No: N05-311296

**Male urinary incontinence device for receiving and delivering urine to  
collection chamber, includes sheath having securement mechanism  
comprising polymeric gel strip and elastic securement tape**

Patent Assignee: LEADING EDGE INNOVATIONS INC (LEAD-N)

Inventor: DWORK J; DWORK P; ELSON E E

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20050101923	A1	20050512	US 2003705187	A	20031110	200539 B

Priority Applications (No Type Date): US 2003705187 A 20031110

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20050101923	A1	38	A61F-005/44		

Abstract (Basic): US 20050101923 A1

NOVELTY - A male urinary incontinence device comprises a sheath non-permeable to urine, and includes a securement mechanism comprising a polymeric gel strip (22) and an elastic securement tape.

DETAILED DESCRIPTION - A male urinary incontinence device for attachment to the penis of an individual for receiving urine and delivering the urine to a collection chamber comprising a sheath non-permeable to urine, the being cylindrically shaped when fully applied to the penis, and comprises a first opening sized to receive a portion of the length of the penis and a second end spaced from the first end including a hollow connector, the hollow connector attached to the collection chamber, the distance between the first end and the second end being sufficient to enclose at least the glans of the penis, and carry securement mechanism on the interior and exterior surface at the first end, the securement mechanism comprising a polymeric gel strip and an elastic securement tape, the sheath having an upper surface with an opening extending longitudinally from the first open end at least a portion of the distance between the first and the second ends, the polymeric gel strip adhesively attached to an upper circumferential portion of the inner surface of the sheath adjacent the first end opening of the sheath, the gel strip comprising a polymeric gel material impervious to urine, having a skin contact surface which provides adhesion to the skin surface of the penis but is readily removable without leaving residual gel material on the surface of the penis, the gel material being stretchable and contractible after application to the penis to an extent similar to changes in circumference or length of the penis after application without

compromising adhesion to the sheath or penile skin surface or allowing urine leakage, the gel strip skin contact surface having a removable barrier material covering the contact surface, the barrier removable during placement of the sheath on the penis, the elastic securement tape having a first end attached to an upper circumferential portion of the outer surface of the sheath adjacent the first end opening of the sheath, the tape oriented to be wrapped circumferentially around the sheath, the securement tape having attachment mechanism extending along the length of its inner surface so that upon wrapping the tape around the upper circumferential surface of the sheath the tape becomes adhered to the sheath, secures the sheath to the penis placed and closes the opening extending longitudinally from the first open end at a portion of the distance between the first end at least a portion of the distance between the first end and the second end in a leak proof manner.

An INDEPENDENT CLAIM is also included for a method of applying a urine collection sheath to the penis of an individual comprising:

- (1) providing a cylindrical sheath;
- (2) placing the penis in the sheath with the glans of the penis located within the sheath between the barrier covered polymeric gel strip and the sheath second end;
- (3) grasping both pieces of barrier material at a point farthest removed from the opening extending longitudinally from the first open end and simultaneously removing the pieces of barrier material while applying an upward force on the sheath against a penile shaft, causing the left and right halves of the gel strip to contact and adhere to the skin surface of the penis; and
- (4) wrapping the securement tape circumferentially around the outer surface of the sheath.

USE - The invention is used for attachment to the penis of an individual for receiving urine and delivering the urine to a collection chamber. It is for incontinent males.

ADVANTAGE - The invention permits an individual or caregiver to easily place the device on any sized male member without the need for the application of any force to stretch or deform the device while applying it, even if the penis is flaccid and withdrawn. It provides a positive seal while generally isolating the external penile tissue and surrounding skin from prolonged contact with urine.

DESCRIPTION OF DRAWING(S) - The figure shows an isometric view of the male urinary incontinence device.

Tabs (17, 18)

Slots (19, 20)

Gel strip (22)

pp; 38 DwgNo 1/39

Title Terms: MALE; URINE; INCONTINENCE; DEVICE; RECEIVE; DELIVER; URINE; COLLECT; CHAMBER; SHEATH; SECURE; MECHANISM; COMPRISE; POLYMERISE; GEL; STRIP; ELASTIC; SECURE; TAPE

Derwent Class: A96; D22; F07; P32

International Patent Class (Main): A61F-005/44

File Segment: CPI; EngPI

25/5/10 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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016588933 \*\*Image available\*\*

WPI Acc No: 2004-747668/200473

XPX Acc No: N04-590708

Urine deflector shield for use over genitalia of male infant, children or adult, has shaped cover with slides forming outwardly projecting portion

into tent-like enclosure, and adhesive on wing units secures cover to human body

Patent Assignee: MAPLES V J (MAPL-I)

Inventor: MAPLES V J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20040215105	A1	20041028	US 2003424291	A	20030428	200473 B

Priority Applications (No Type Date): US 2003424291 A 20030428

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20040215105	A1		8 A61B-005/00	

Abstract (Basic): US 20040215105 A1

NOVELTY - The shield (10) has a shaped cover with slides forming an outwardly projecting portion into a tent-like enclosure. The slides include a bottom edge and are spaced apart from one another. Wing units extending from the slides spreads apart to cause a top edge of the cover to project outward from a bottom edge at a sufficient distance. An adhesive on the wing units secures the cover to human body to deflect a stream of urine.

USE - Used over genitalia of male infant, children or adult to deflect urine downward during transport, examination, and treatment and to facilitate collection of urine for healthcare purpose.

ADVANTAGE - The shield effectively reduces the likelihood of a person or healthcare worker being sprayed by urine. The shield improves the ability of healthcare workers to collect and monitor urine discharged by a patient. The adhesive on the wing unit effectively holds the deflector in position on the patients body above the genitalia and prevents it from being easily knocked out of place or being displaced by the flow of urine from the patient. The shield is relatively inexpensive to make and easy to use.

DESCRIPTION OF DRAWING(S) - The drawing shows a top plan view of a urine deflector shield.

Urine deflector shield (10)

Shaped cover (12)

Wing unit (16)

Bottom edge (18)

End (24)

Adhesive (28)

pp; 8 DwgNo 1/6

Title Terms: URINE; DEFLECT; SHIELD; GENITAL; MALE; INFANT; CHILD; ADULT; SHAPE; COVER; SLIDE; FORMING; OUTWARD; PROJECT; PORTION; TENT; ENCLOSE; ADHESIVE; WING; UNIT; SECURE; COVER; HUMAN; BODY

Derwent Class: P31

International Patent Class (Main): A61B-005/00

File Segment: EngPI

25/5/13 (Item 13 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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015611967 \*\*Image available\*\*

WPI Acc No: 2003-674124/200364

XRAM Acc No: C03-184484

XRPX Acc No: N03-538160

Urine sampler for children , comprises attachment portion which includes contact portion attached to main tube having opening

Patent Assignee: HIRATSUKA H (HIRA-I); ICHIBAGASE Y (ICHI-I)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2003116901	A	20030422	JP 2001314686	A	20011012	200364	B

Priority Applications (No Type Date): JP 2001314686 A 20011012

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2003116901	A		7	A61F-005/453	

Abstract (Basic): JP 2003116901 A

NOVELTY - A contact portion (12) of an attachment portion (1) of the sampler which contacts human body, is attached to a main tube (11) having an opening (111).

USE - For children.

ADVANTAGE - The sampler is used more hygienically.

DESCRIPTION OF DRAWING(S) - The figure shows an expanded structure of the urine sampler.

attachment portion (1)

main tube (11)

contact portion (12)

opening (111)

pp; 7 DwgNo 1/7

Title Terms: URINE; SAMPLE; CHILD; COMPRISE; ATTACH; PORTION; CONTACT; PORTION; ATTACH; MAIN; TUBE; OPEN

Derwent Class: D22; F07; P28; P32; S05

International Patent Class (Main): **A61F-005/453**

International Patent Class (Additional): A47K-011/06; **A61F-005/44** ; **A61F-005/455**

File Segment: CPI; EPI; EngPI

**25/5/16 (Item 16 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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014213487 \*\*Image available\*\*

WPI Acc No: 2002-034185/200204

XRAM Acc No: C02-009493

XRPX Acc No: N02-026355

**Urine sample collection apparatus for medical applications, has receptor having surface extending from rim and tubular portion with coupling for connecting collection container**

Patent Assignee: LEVINSON O (LEVI-I)

Inventor: LEVINSON O

Number of Countries: 089 Number of Patents: 020

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200174275	A1	20011011	WO 2001GB1413	A	20010329	200204	B
GB 2362577	A	20011128	GB 20017915	A	20010329	200204	
AU 200146679	A	20011015	AU 200146679	A	20010329	200209	
NO 200204680	A	20020930	WO 2001GB1413	A	20010329	200304	
			NO 20024680	A	20020930		
EP 1272133	A1	20030108	EP 2001919618	A	20010329	200311	
			WO 2001GB1413	A	20010329		
GB 2362577	B	20030312	GB 20017915	A	20010329	200319	
KR 2003009413	A	20030129	KR 2002713086	A	20020930	200336	
BR 200109905	A	20030603	BR 20019905	A	20010329	200343	
			WO 2001GB1413	A	20010329		
CN 1420750	A	20030528	CN 2001807429	A	20010329	200357	
US 20030149408	A1	20030807	WO 2001GB1413	A	20010329	200358	

GB 2385276	A	20030820	US 2003239901	A	20030206	
			GB 20017915	A	20010329	200363
			GB 200399	A	20030103	
JP 2003528691	W	20030930	JP 2001572022	A	20010329	200365
			WO 2001GB1413	A	20010329	
GB 2396819	A	20040707	GB 200399	A	20010329	200444
			GB 20046431	A	20040322	
NZ 521731	A	20040625	NZ 521731	A	20010329	200445
			WO 2001GB1413	A	20010329	
GB 2396819	B	20040818	GB 200399	A	20010329	200455
			GB 20046431	A	20040322	
GB 2385276	B	20040908	GB 20017915	A	20010329	200459
			GB 200399	A	20030103	
MX 2002009466	A1	20040501	WO 2001GB1413	A	20010329	200482
			MX 20029466	A	20020926	
CN 1695572	A	20051116	CN 2001807429	A	20010329	200620
			CN 20051007206	A	20010329	
CN 1695573	A	20051116	CN 2001807429	A	20010329	200620
			CN 20051007206	A	20010329	
EP 1272133	B1	20060607	EP 2001919618	A	20010329	200641
			WO 2001GB1413	A	20010329	
			EP 20067542	A	20060410	

Priority Applications (No Type Date): GB 20014046 A 20010219; GB 20007773 A 20000330; GB 200018669 A 20000728; GB 20011871 A 20010124

#### Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200174275	A1	E	52	A61F-005/451	
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Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

GB 2362577	A			A61B-010/00	
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AU 200146679	A				Based on patent WO 200174275
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NO 200204680	A			A61F-005/451	
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EP 1272133	A1	E		A61F-005/451	Based on patent WO 200174275
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

GB 2362577	B			A61B-010/00	
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KR 2003009413	A			A61F-005/44	
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BR 200109905	A			A61F-005/451	Based on patent WO 200174275
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CN 1420750	A			A61F-005/451	
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US 20030149408	A1			A61F-005/44	
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GB 2385276	A			A61B-010/00	Div ex application GB 20017915
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JP 2003528691	W	48		A61F-005/455	Based on patent WO 200174275
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GB 2396819	A			A61F-005/445	Div ex application GB 200399
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NZ 521731	A			A61F-005/451	Based on patent WO 200174275
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GB 2396819	B			A61F-005/445	Div ex application GB 200399
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GB 2385276	B			A61B-010/00	Div ex application GB 20017915
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MX 2002009466	A1			A61F-005/451	Based on patent WO 200174275
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CN 1695572	A			A61F-005/451	Div ex application CN 2001807429
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CN 1695573	A			A61F-005/451	Div ex application CN 2001807429
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EP 1272133	B1	E		A61F-005/451	Related to application EP 20067542 Based on patent WO 200174275
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Designated States (Regional): AT BE CH CY DE DK ES FI FR GR IE IT LI LU MC NL PT SE TR

Abstract (Basic): WO 200174275 A1

NOVELTY - A receptor (1B) for receiving urine, has surface

extending from a rim (5B) which contact with user's body. A tubular portion (3) extends from the surface. A coupling (60A) is formed along the tubular portion for connecting sample collection container (70).

DETAILED DESCRIPTION - A receptor (1B) for receiving urine, has surface extending from a rim (5B) which contact with user's body. A tubular portion (3) extends from the surface. A coupling (60A) is formed along the tubular portion for connecting sample collection container (70).

The end of the tubular portion is closed except an excess overflow outlet. The coupling is directed away from the axis of the tubular portion at a fixed angle other than a right angle. The rim and surface of the receptor form a shovel like shape

USE - For urine collection in testing for legal or medical reasons, for waste urine collection from toilets and for facilitating urination of women, handicapped, aged, etc. The medical applications includes detection of protein bladder infections, drugs, hormones, proteins, pregnancy fetal conditions or abnormality or fetal diseases etc. It is also used in testing glucose, bilirubin, ketone, specific gravity, blood, pH, protein, urobilinogen, nitrite, leukocytes. The legal reasons include assisting of police in investigating drink drive, drug abuse, DNA testing, rape allegations for sports events, military health check-up, etc.

ADVANTAGE - The rim and receptor surface form a shovel shape which perfectly fit with the user's body which reduces the likelihood of contamination of the user's hand. The collected urine is directly taken for testing without transferring into another device. Bed-ridden and disabled people comfortably urinate. Facilitates the collection of urine samples from **children**, pregnant women, women with broken legs, the obese, etc.

DESCRIPTION OF DRAWING(S) - The figure shows the top plan view of urine sample collection apparatus.

Receptor (1B)

Tubular portion (3)

Rim (5B)

Coupling (60A)

Sample collection container (70)

pp; 52 DwgNo 5/9

Title Terms: URINE; SAMPLE; COLLECT; APPARATUS; MEDICAL; APPLY; RECEPTOR; SURFACE; EXTEND; RIM; TUBE; PORTION; COUPLE; CONNECT; COLLECT; CONTAINER

Derwent Class: B04; D16; P31; P32; Q42

International Patent Class (Main): **A61B-010/00 ; A61F-005/44 ;**

**A61F-005/445 ; A61F-005/451 ; A61F-005/455**

International Patent Class (Additional): E03D-009/00; G01N-001/10

File Segment: CPI; EngPI

**25/5/19 (Item 19 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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013400086 \*\*Image available\*\*

WPI Acc No: 2000-572024/200053

XRAM Acc No: C00-170501

XRPX Acc No: N00-423197

**Urine sampling patch to test for vitamin A deficiency in babies or mentally handicapped persons has urine permeable membrane and waterproof backing covering absorbent material**

Patent Assignee: UNIV ULSTER (UYUL-N)

Inventor: MULHOLLAND C W; NORTHROP-CLEWES C A; THURNHAM D I

Number of Countries: 090 Number of Patents: 002



Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200049948	A2	20000831	WO 2000GB587	A	20000221	200053 B
AU 200026798	A	20000914	AU 200026798	A	20000221	200063

Priority Applications (No Type Date): GB 9913634 A 19990612; GB 993934 A 19990222; GB 995234 A 19990309

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200049948	A2	E	22	A61B-010/00	
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Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200026798	A			A61B-010/00	Based on patent WO 200049948
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Abstract (Basic): WO 200049948 A2

NOVELTY - A urine sampling patch comprising a urine permeable membrane covering an upper surface of an absorbent material and a water proof backing covering a lower surface of the material, is new.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) a test detecting the presence of lactose in urine; and
- (2) a screening test for vitamin A deficiency using the test of (1).

USE - For collecting urine samples to test for vitamin A deficiency in **babies** (claimed). The patch can also be used to **collect urine** from mentally challenged patients, and to test for blood, protein or sugar in **babies** urine, and allow screening for biliary atresia, urinary tract infections, coeliac disease and cow's milk protein intolerance.

ADVANTAGE - The collector does not have to be attached to the patient.

DESCRIPTION OF DRAWING(S) - The figure shows a urine sampling patch.

- Test strip (5)
  - Reagent areas (6)
  - Strings (7)
  - Upper closure strip (8).
- pp; 22 DwgNo 2/2

Title Terms: URINE; SAMPLE; PATCH; TEST; VITAMIN; DEFICIENT; BABY; MENTAL; HANDICAPPED; PERSON; URINE; PERMEABLE; MEMBRANE; WATERPROOF; BACKING; COVER; ABSORB; MATERIAL

Derwent Class: B04; J04; P31

International Patent Class (Main): A61B-010/00

File Segment: CPI; EngPI

25/5/20 (Item 20 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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012591341 \*\*Image available\*\*

WPI Acc No: 1999-397447/199934

XRFX Acc No: N99-297282

Urine collection device used for medical samples or for use in absence of toilet comprises funnel, neck portion or adaptor and is reusable

Patent Assignee: REES M (REES-I)

Inventor: REES M

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2333755	A	19990804	GB 99346	A	19990111	199934 B
GB 2333755	B	19991222	GB 99346	A	19990111	200002

Priority Applications (No Type Date): GB 989703 A 19980508

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2333755	A		14	A61B-010/00	
GB 2333755	B			A61B-010/00	

Abstract (Basic): GB 2333755 A

NOVELTY - The portable collection device has a urine receptacle with a base and an upstanding perimeter wall extending away from the base to a constricted neck portion (5). The device has an adaptor (8) with a throat portion and a mouth portion, which has a greater cross section than the throat portion to define a funnel. The neck portion is threaded to receive a threaded cap to seal the device.

USE - The device is designed to be used to collect urine, either for medical samples or for use in the absence of a toilet, such as when camping, sailing or traveling, particularly for use with small **children**.

ADVANTAGE - The device is small and easily portable. The funnel connects to the neck when in use and fits around the outer perimeter wall of the container when being stored. The device is reusable and watertight. The mouth portion of the device is ergonomically designed to be easily usable by females.

DESCRIPTION OF DRAWING(S) - The drawing shows a side view of the urine collection device in a ready to use configuration.

Neck portion (5)

Adaptor (8)

pp; 14 DwgNo 3/3

Title Terms: URINE; COLLECT; DEVICE; MEDICAL; SAMPLE; ABSENCE; TOILET; COMPRISE; FUNNEL; NECK; PORTION; ADAPT; REUSE

Derwent Class: P31

International Patent Class (Main): A61B-010/00

File Segment: EngPI

25/5/21 (Item 21 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012203451 \*\*Image available\*\*

WPI Acc No: 1999-009557/199901

XRPX Acc No: N99-006902

**Urine collector for paediatric practice - has waterproof container holding opening of ots concave part with portion of its outer edge with flat cuff connected to its walls according to predetermined slope**

Patent Assignee: PEDROZZI N (PEDR-I); PEDROZZI R (PEDR-I)

Inventor: PEDROZZI N; PEDROZZI R

Number of Countries: 076 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9851243	A1	19981119	WO 97IB538	A	19970513	199901 B
AU 9726480	A	19981208	AU 9726480	A	19970513	199916
			WO 97IB538	A	19970513	

Priority Applications (No Type Date): WO 97IB538 A 19970513

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
 WO 9851243 A1 11 A61F-005/44  
 Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU  
 CZ DE DK EE ES FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU  
 LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG  
 US UZ VN YU  
 Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GH GR IE IT  
 KE LS LU MC MW NL OA PT SD SE SZ UG  
 AU 9726480 A A61F-005/44 Based on patent WO 9851243

Abstract (Basic): WO 9851243 A

The collector includes a concave waterproof container body whose shape, volume, and surface are suitable for holding in opening (2a) of its concave part (2) the external genitals of the small patient. It is equipped over at least a portion of its outer edge (2c) with a cuff (3) which is connected to its walls according to predetermined slopes (alpha, beta). A concave part and cuff are shaped in such a way as to fit ergonomically between the inside joints of the thighs, thus being secured in place.

A filler made of sterile absorbent material (4) that can tamp the concave part to a predetermined extent. The opening (2a) of concave part is partly blocked by a septum that is preferably located toward the perineal area. The opening of concave part is closed by a basically sealed waterproof membrane (5) that it is able to adhere to the outer surface of the flat cuff (3) and to be removed before collector (1) is attached.

ADVANTAGE - Can be used by anyone and which, by virtue of its design, proves to be reliable and easy to use.

Dwg.2/2

Title Terms: URINE; COLLECT; PAEDIATRIC; PRACTICE; WATERPROOF; CONTAINER; HOLD; OPEN; CONCAVE; PART; PORTION; OUTER; EDGE; FLAT; CUFF; CONNECT; WALL; ACCORD; PREDETERMINED; SLOPE

Derwent Class: P32

International Patent Class (Main): A61F-005/44

File Segment: EngPI

25/5/22 (Item 22 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012063360 \*\*Image available\*\*

WPI Acc No: 1998-480271/199841

Related WPI Acc No: 1996-229421; 1997-244123

XRAM Acc No: C98-145238

XRPX Acc No: N98-374732

**Collector for urine specimen from adult uncircumcised males, adult females and paediatric males - has elongate flexible tubular conduit with funnel shaped opening for contacting urethra and other end fitted into sealable opening of detachable stopper fitted into sample collector**

Patent Assignee: HAZARD J T (HAZA-I); KIDD R V (KIDD-I)

Inventor: HAZARD J T; KIDD R V

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5797855	A	19980825	US 93149549	A	19931109	199841 B
			US 94327112	A	19941021	
			US 97814652	A	19970310	

Priority Applications (No Type Date): US 94327112 A 19941021; US 93149549 A 19931109; US 97814652 A 19970310

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5797855	A		9	A61B-005/00	CIP of application US 93149549 Div ex application US 94327112

Abstract (Basic): US 5797855 A

A device has an elongate flexible tubular conduit (12) with a funnel shaped opening (14) at one end and its other end fitted into a sealable opening of a detachable stopper (24) that is fitted into a sample collector (22). The conduit has a holding device near the funnel so that the funnel can contact a user's urethra. The stopper also has air vents.

USE - Collecting urine specimens

ADVANTAGE - Device prevents contamination when taking specimens from adult uncircumcised males, adult females and paediatric males.

Dwg.1/19

Title Terms: COLLECT; URINE; SPECIMEN; ADULT; MALE; ADULT; FEMALE; PAEDIATRIC; MALE; ELONGATE; FLEXIBLE; TUBE; CONDUIT; FUNNEL; SHAPE; OPEN; CONTACT; URETHRA; END; FIT; SEAL; OPEN; DETACH; STOPPER; FIT; SAMPLE; COLLECT

Derwent Class: B04; P31

International Patent Class (Main): A61B-005/00

File Segment: CPI; EngPI

25/5/23 (Item 23 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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011266220 \*\*Image available\*\*

WPI Acc No: 1997-244123/199722

Related WPI Acc No: 1996-229421; 1998-480271

XRPX Acc No: N97-201378

**Device for collecting urine samples - includes flexible tubular conduit member having funnel-shaped opening at one end to be in sealing relationship with urethra or glans penis and discharge end to be received within sample container**

Patent Assignee: HAZARD J T (HAZA-I); KIDD R V (KIDD-I)

Inventor: HAZARD J T; KIDD R V

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5622183	A	19970422	US 93149549	A	19931109	199722 B
			US 94327112	A	19941021	

Priority Applications (No Type Date): US 94327112 A 19941021; US 93149549 A 19931109

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5622183	A		9	A61B-005/00	CIP of application US 93149549

Abstract (Basic): US 5622183 A

The device includes an elongated flexible tubular conduit member. The conduit member has a funnel-shaped opening at one end to be in sealing relationship with a urethra or glans penis and a discharge end to be received within a sample container.

The sample container includes an opening with a sealing member to receive the discharge end of the elongated flexible tubular conduit member in an open position for receiving a urine specimen in it and in a closed position when the discharge end of the elongated flexible tubular conduit member is withdrawn.

USE/ADVANTAGE - For collecting uncontaminated liquid specimens, particularly, urine specimens from adult females, adult males and **paediatric** males. Reduces number of contaminated **urine samples** obtained from adult females, adult uncircumcised males and **paediatric** males and subsequently decreasing contamination of samples.

Dwg.15/19

Title Terms: DEVICE; COLLECT; URINE; SAMPLE; FLEXIBLE; TUBE; CONDUIT; MEMBER; FUNNEL; SHAPE; OPEN; ONE; END; SEAL; RELATED; URETHRA; GLANS; PENIS; DISCHARGE; END; RECEIVE; SAMPLE; CONTAINER

Derwent Class: P31

International Patent Class (Main): **A61B-005/00**

File Segment: EngPI

**25/5/24 (Item 24 from file: 350)**

DIALOG(R) File 350:Derwent WPIX

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010732466 \*\*Image available\*\*

WPI Acc No: 1996-229421/199623

Related WPI Acc No: 1997-244123; 1998-480271

XRPX Acc No: N96-192678

**Device for collecting uncontaminated urine specimens from adult females, adult uncircumcised males and paediatric males - includes flexible tubular conduit member having funnel shaped opening at one end to be in sealing relationship with urethra or glans penis**

Patent Assignee: HAZARD J T (HAZA-I); KIDD R V (KIDD-I)

Inventor: HAZARD J T; KIDD R V

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5511557	A	19960430	US 93149549	A	19931109	199623 B
			US 95384125	A	19950206	

Priority Applications (No Type Date): US 93149549 A 19931109; US 95384125 A 19950206

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5511557	A	7	A61B-005/00	Div ex application US 93149549

Abstract (Basic): US 5511557 A

The device comprises an elongated flexible tubular conduit having a funnel-shaped first opening at one end and a second opening at the opposite end. The funnel-shaped opening being sized to fit around the outer periphery of a glans penis and to form a seal about it. The tubular conduit member includes fastening tabs on it for attaching the tubular conduit member to a glans penis.

There is a sample collector having an opening in it, and a closure member disposed within the opening of the sample collector. The closure member having member to receive the opposite end of the tubular conduit through it. The member to receive the opposite end of the tubular conduit including sealing member when not in receipt of the opposite end in it.

ADVANTAGE - Provides an apparatus for the collection of urine samples which reduces the number of contaminated urine sample obtained from adult females, adult uncircumcised males and **paediatric** males and subsequent decreasing contamination of the samples. Reduces the number of patients being treated unnecessarily for urinary tract infections due to contaminated **urine specimen**.

Dwg.1/9

Title Terms: DEVICE; COLLECT; UNCONTAMINATED; URINE; SPECIMEN; ADULT;  
FEMALE; ADULT; MALE; PAEDIATRIC; MALE; FLEXIBLE; TUBE; CONDUIT; MEMBER;  
FUNNEL; SHAPE; OPEN; ONE; END; SEAL; RELATED; URETHRA; GLANS; PENIS  
Derwent Class: P31  
International Patent Class (Main): **A61B-005/00**  
File Segment: EngPI

**25/5/28 (Item 28 from file: 350)**

DIALOG(R)File 350:Derwent WPIX  
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009372008 \*\*Image available\*\*

WPI Acc No: 1993-065487/199308

XRPX Acc No: N93-049987

**Infant urine collection device - resilient hermetic chamber has  
additional triangular rim, with inner cavity communicating with that of  
chamber**

Patent Assignee: KAZAN MED INST (KZME )  
Inventor: PETRYANIN A YA; PETRYANIN S A; PETRYANINA E A  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 1722491	A1	19920330	SU 4801910	A	19900130	199308 B

Priority Applications (No Type Date): SU 4801910 A 19900130

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
SU 1722491	A1		3	A61F-005/44	

Abstract (Basic): SU 1722491 A

The device has a base (1) one third longer than the total length of the urine receiver and urine collector, a transparent truncated conical urine receiver (2) with shaped bevelled base, rims (3) made of soft resilient material such as rubber matching the relief of the bevelled part of the urine receiver (2), an hermetic chamber with a widened part (4) of elongated oval-triangular form, with cavity communicating with the cavity of the basic rim (3), serving to seal and plug the area of the perineum and inferior-posterior parts of the external genital organs of girls, a closing valve (5), transparent urine collector (6), outlet valve (7) with measurement scale (8) marked on the urine collector (6) and sprung rod (9) attached by spring (10) to base (1) and by its ends to the projection (11) of urine receiver (2).

USE/ADVANTAGE - To collect urine from infants, ensuring hermeticity when collecting urine from **children** of both sexes.

Bul.12/30.3.92.

Dwg.1/2

Title Terms: INFANT; URINE; COLLECT; DEVICE; RESILIENT; HERMETIC; -CHAMBER;  
ADD; TRIANGLE; RIM; INNER; CAVITY; COMMUNICATE; CHAMBER

Derwent Class: P32

International Patent Class (Main): **A61F-005/44**

File Segment: EngPI

**25/5/32 (Item 32 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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004349563

WPI Acc No: 1985-176441/198529

XRPX Acc No: N85-132459

**Infant urine collection device - has two chambers, one in the form of a truncated ellipsoid, joined by a junction ring of lesser diameter**

Patent Assignee: RAMANAUSKAITE M B (RAMA-I)

Inventor: RAMANAUSKA M B

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 906559	A	19820223	SU 2683143	A	19781109	198529 B

Priority Applications (No Type Date): SU 2683143 A 19781109

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
SU 906559	A	2		

Abstract (Basic): SU 906559 A

The device for collecting urine from young **children** has a urine receiver composed of two chambers (1,2). The reception chamber (1) is made in the form of a truncated ellipsoid, and the chambers are joined to each other by a junction ring (3) with diameter less than that of the chambers, which prevents urine flowing back into reception chamber (1).

The edges of chamber (1) have a sealing rim (4) and apertures (5) for fixation of the device on the body. Chamber (2) is joined by pipe (6) and flexible tube (7) to a urine container.

When the device is fitted the intake aperture should be in close contact with the body, going round the penis without the scrotum in boys and around the urethra and labia minores in girls.

ADVANTAGE - Prevents intertrigo when collecting urine from very young **children** . Bul.7/23.2.82 (2pp Dwg.No.1/1)

Title Terms: INFANT; URINE; COLLECT; DEVICE; TWO; CHAMBER; ONE; FORM; TRUNCATE; ELLIPSOID; JOIN; JUNCTION; RING; DIAMETER

Derwent Class: P32

International Patent Class (Additional): **A61F-005/44**

File Segment: EngPI

**25/5/35 (Item 35 from file: 350)**

DIALOG(R) File 350:Derwent WPÍX

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000780300

WPI Acc No: 1971-21947S/197113

**Urine sample collector for children**

Patent Assignee: BARD INC C R (BRDC )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 1491134	B					197113 B

Priority Applications (No Type Date): US 65438938 A 19650311

Abstract (Basic): DE 1491134 B

The urine sample collecting container comprises a plastics sheet which is hermetically sealed on all sides to form a bag, and which has an opening which is sealed against the appropriate part of the **child** 's body. At the upper end of the container, between the side walls, is a downward folding portion which allows expansion of the container.

Spec. the container has no folds which contact the **child** 's skin, so that the container fills without causing the **child** discomfort.

Title Terms: URINE; SAMPLE; COLLECT; CHILD

Derwent Class: A97; P32

International Patent Class (Additional): **A61F-000/00**

File Segment: CPI; EngPI

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24/5/13 (Item 2 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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0014026589 BIOSIS NO.: 200200620100

Adhesive urine collector with optimal aperture

AUTHOR: Palumbo Gianfranco (Reprint); Coles Peter; D'Acchioli Vincenzo;  
Cinelli Fabio

AUTHOR ADDRESS: Bad Homburg, Germany\*\*Germany

JOURNAL: Official Gazette of the United States Patent and Trademark Office  
Patents 1263 (3): Oct. 15, 2002 2002

MEDIUM: e-file

PATENT NUMBER: US 6464674 PATENT DATE GRANTED: October 15, 2002 20021015

PATENT CLASSIFICATION: 604-38501 PATENT ASSIGNEE: The Procter and Gamble  
Company PATENT COUNTRY: USA

ISSN: 0098-1133

DOCUMENT TYPE: Patent

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: This invention relates to a urine management device (10) comprising a bag (11) and a flange (12). The flange (12) comprises adhesive (20) used to attach the device (10) to the uro-genital area of the wearer. The invention resides principally in providing an optimised shape of the aperture (21) of said device (10). One preferred embodiment of the invention is an aperture (21) whose contour is defined by one ellipse in the longitudinal direction, the longitudinal diameter of said ellipse being 2.25 times greater than the transversal diameter.

DESCRIPTORS:

MAJOR CONCEPTS: Equipment, Apparatus, Devices and Instrumentation;  
Urology--Human Medicine, Medical Sciences

METHODS & EQUIPMENT: **adhesive urine collector** with optimal  
**aperture** --medical equipment

CONCEPT CODES:

15506 Urinary system - Pathology

24/5/14 (Item 3 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2006 The Thomson Corporation. All rts. reserv.

0013720546 BIOSIS NO.: 200200314057

Urine collection **cup**

AUTHOR: Bachand Steven S (Reprint)

AUTHOR ADDRESS: Laguna Niguel, CA, USA\*\*USA

JOURNAL: Official Gazette of the United States Patent and Trademark Office  
Patents 1257 (4): Apr. 23, 2002 2002

MEDIUM: e-file

PATENT NUMBER: US 6375897 PATENT DATE GRANTED: April 23, 2002 20020423

PATENT CLASSIFICATION: 422-58 PATENT ASSIGNEE: Ansys Technologies, Inc.

PATENT COUNTRY: USA

ISSN: 0098-1133

DOCUMENT TYPE: Patent

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: A **urine collection** cup device is provided including a clear plastic cup, a reagent strip disposed against an inner surface of the cup and adhered thereto by means of a plastic laminate or **adhesive** member.

An **aperture** is provided in the **adhesive** member on a sample introduction end of the reagent strip to enable a fluid sample to be introduced onto the reagent strip. By capillary action the fluid migrates up the reagent strip and causes a visible indication of test validity and test results. A second **aperture** covered with a hydrophobic **material** is provided adjacent the reagent strip end to enable air to vent from the strip while preventing fluid specimen from entering therein.

DESCRIPTORS:

MAJOR CONCEPTS: Equipment, Apparatus, Devices and Instrumentation;  
Urology--Human Medicine, Medical Sciences

METHODS & EQUIPMENT: clear plastic cup--medical supplies; reagent strip--  
medical supplies; **urine collection** cup--medical supplies

CONCEPT CODES:

15506 Urinary system - Pathology

24/5/16 (Item 5 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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0012625925 BIOSIS NO.: 200000344238

Urine specimen **cup arrangement**

AUTHOR: Stark Wayne T (Reprint); Mikelionios Raymond J

AUTHOR ADDRESS: 4787 Yorkshire Way, Granite Bay, CA, 95746, USA\*\*USA

JOURNAL: Official Gazette of the United States Patent and Trademark Office  
Patents 1231 (3): Feb. 15, 2000 2000

MEDIUM: e-file

PATENT NUMBER: US 6024709 PATENT DATE GRANTED: February 15, 2000 20000215

PATENT CLASSIFICATION: 600-573 PATENT COUNTRY: USA

ISSN: 0098-1133

DOCUMENT TYPE: Patent

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: A **urine specimen** cup with a cup portion and a lid portion mountable on the cup portion in a sealing relationship. The lid portion has walls defining an aperture therethrough and a flexible tab is mounted on the lid portion to cover the aperture and also extend over the rim of the lid portion to engage the cup portion. The first section of the tab which overlies the **aperture** is provided with a resealable **adhesive** to allow repeated lifting of the first section to provide access to the **urine specimen** in the cup and then be resealed. The second section of the tab has a permanent adhesive so that once adhered it provides a permanent seal between the cup and lid to insure integrity of the sample. A tear line is provided between the first and second sections of the tab to allow ultimate removal of the lid from the cup for disposal of the specimen.

DESCRIPTORS:

MAJOR CONCEPTS: Clinical Chemistry--Allied Medical Sciences; Equipment,  
Apparatus, Devices and Instrumentation; Urology--Human Medicine,  
Medical Sciences

METHODS & EQUIPMENT: **urine specimen** cup--medical supplies

CONCEPT CODES:

00532 General biology - Miscellaneous

24/5/20 (Item 2 from file: 6)

DIALOG(R)File 6:NTIS

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0905694 NTIS Accession Number: N81-24711/6/XAB

Urine Collection **Device**

(Patent)

Michaud, R. B.

National Aeronautics and Space Administration, Houston, TX. Lyndon B. Johnson Space Center.

Corp. Source Codes: 019042004; ND052615

Report No.: PATENT-4 246 901; PAT-APPL-910 992, NASA-CASE-MS-16433-1

Filed 30 May 78 patented 27 Jan 81 11p

Languages: English Document Type: Patent

Journal Announcement: GRAI8121; STAR1915

Supersedes PAT-APPL-910 992-78.

This Government-owned invention available for U.S. licensing and, possibly, for foreign licensing. Copy of patent available Commissioner of Patents, Washington, DC. 20231 \$0.50.

NTIS Prices: Not available NTIS

Country of Publication: United States

A **urine collection** device for females is described. It is comprised of a **collection** element defining a **urine collection** chamber and an inlet opening into the chamber and is adapted to be disposed in surrounding relation to the urethral opening of the user. A drainage conduit is connected to the collection element in communication with the chamber whereby the chamber and conduit together comprise a urine flow pathway for carrying urine generally away from the **inlet**. A first body of wicking **material** is mounted adjacent the collection element and extends at least partially into the flow pathway. The device preferably also comprise a vaginal insert element including a seal portion for preventing the entry of urine into the vagina.

Descriptors: \*Patents; \*Accumulators; \*Bioengineering; \*Medical equipment; \*Urination; \*Urology; Females; Human factors engineering; Sanitation; Wicks

Identifiers: PAT-CL-128-295; PAT-CL-4-144.3; PAT-CL-128-761; NTISGPNASA; NTISGPNASA

Section Headings: 95C (Biomedical Technology and Human Factors Engineering--Biomedical Instrumentation and Bioengineering); 90D (Government Inventions For Licensing--Biology and Medicine)

24/5/21 (Item 3 from file: 6)

DIALOG(R) File 6:NTIS

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0770230 NTIS Accession Number: N79-23657/6/XAB

Urine Collection **Apparatus**

(Patent Application)

Michaud, R. B.

National Aeronautics and Space Administration. Lyndon B. Johnson Space Center, Houston, TX.

Report No.: PAT-APPL-6-034 531; NASA-CASE-MS-18381

Filed 27 Apr 79 21p

Languages: English Document Type: Patent

Journal Announcement: GRAI7920; STAR1714

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NTIS Prices: PC A02/MF A01

A **urine collection** device for females comprising an interface body with a surface for engagement with the user's body is described. The interface body is composed of a forward portion defining a urine-receiving bore with an inlet in the interface surface adapted to the urethral opening of the user, and a rear portion integrally adjoining the forward portion with a noninvasive vaginal seal on the interface surface. A removable absorbent pad is supported on the interface body and is extended laterally. A garment is provided for supporting the **urine collection** device.

Descriptors: **\*Collection** ; **\*NASA** programs; **\*Urine** ; **\*Patent** applications; **Females**; **Body composition** (Biology); **Body temperature**; **Equipment**; **Seals** (Stoppers)

Identifiers: **\*Medical equipment**; NTISNASA

Section Headings: 95C (Biomedical Technology and Human Factors Engineering--Biomedical Instrumentation and Bioengineering); 90D (Government Inventions For Licensing--Biology and Medicine)

?

Set	Items	Description
S1	69386	URINE? OR URINAT?
S2	3967178	COLLECT? OR SAMPL??? OR SPECIMEN?
S3	423722	WATER(2N) (SOLUBLE? OR SOLUBILIT?) OR DISINTEGRA? OR DISSOL- V? OR DISSOLU? OR (BREAK? ? OR BROKEN) (1W)DOWN OR DISPERSAB?
S4	4544605	ADHESIVE? OR GLUE? ? OR MATERIAL? ? OR SUBSTANCE? OR FABRI- C? ? OR COMPOSITION?
S5	1725	METHYLCELLULOSE OR METHYL()CELLULOSE
S6	5532075	SEAL? ? OR SEALED OR SEALING OR CLOSE? ? OR CLOSING OR CLO- SURE? OR SHUT? ? OR SHUTTING
S7	7691174	OPEN? ? OR OPENED OR OPENING OR APERTURE? OR ENTRY OR ENTR- IES OR INLET OR ENTRANCE? OR WINDOW? ? OR PASSAGE?
S8	14249	S1(5N)S2
S9	9705	S3(5N)S4
S10	10	S8(S)S9
S11	8	RD (unique items)
S12	4958	S3(5N)S6:S7
S13	2	S8(S)S12
S14	77825	S4:S5(5N)S6:S7
S15	19	S8(S)S14
S16	19	S15 NOT (S10 OR S13)
S17	15	RD (unique items)
S18	2	S8 (S) S5
S19	2	S18 NOT (S10 OR S13 OR S16)

? show files

File 9:Business & Industry(R) Jul/1994-2006/Jun 28  
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File 16:Gale Group PROMT(R) 1990-2006/Jun 28  
(c) 2006 The Gale Group

File 160:Gale Group PROMT(R) 1972-1989  
(c) 1999 The Gale Group

File 148:Gale Group Trade & Industry DB 1976-2006/Jun 29  
(c)2006 The Gale Group

File 621:Gale Group New Prod.Annou. (R) 1985-2006/Jun 29  
(c) 2006 The Gale Group

File 441:ESPICOM Pharm&Med DEVICE NEWS 2006/Jan W3  
(c) 2006 ESPICOM Bus.Intell.

File 149:TGG Health&Wellness DB(SM) 1976-2006/Jun W2  
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File 47:Gale Group Magazine DB(TM) 1959-2006/Jun 29  
(c) 2006 The Gale group

File 141:Readers Guide 1983-2006/Feb  
(c) 2006 The HW Wilson Co

File 484:Periodical Abs Plustext 1986-2006/Jun W4  
(c) 2006 ProQuest

Set	Items	Description
S1	1	AU=(PERLHAGEN M? OR PERHAGEN, M?)
S2	58	AU=(JONSSON R? OR JONSSON, R?)
S3	1	S1 AND S2
S4	2	S2 AND (URINE? OR STERIL?(3N) (SAMPLE? OR SPECIMEN?))
S5	1	S4 NOT S3

File 347:JAPIO Dec 1976-2005/Dec(Updated 060404)

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File 350:Derwent WPIX 1963-2006/UD,UM &UP=200640

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3/5/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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016146917 \*\*Image available\*\*  
WPI Acc No: 2004-304793/200428  
XRAM Acc No: C04-115812  
XRPX Acc No: N04-242746

**Disposable, sterile container for collection of uncontaminated urine samples from small children has an inlet initially sealed by water soluble adhesive material, to prevent first portion of fluid reaching to container**

Patent Assignee: JONSSON R (JONS-I); PERLHAGEN M (PERL-I); JOENSSON R (JOEN-I)

Inventor: JONSSON R ; PERLHAGEN M ; JOENSSON R

Number of Countries: 103 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200421890	A1	20040318	WO 2003SE1238	A	20030724	200428 B
SE 200202330	A	20040130	SE 20022330	A	20020729	200428
SE 522982	C2	20040323	SE 20022330	A	20020729	200428
AU 2003247318	A1	20040329	AU 2003247318	A	20030724	200459
EP 1560522	A1	20050810	EP 2003794376	A	20030724	200552
			WO 2003SE1238	A	20030724	
US 20050240164	A1	20051027	WO 2003SE1238	A	20030724	200571
			US 2005522508	A	20050126	

Priority Applications (No Type Date): SE 20022330 A 20020729

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200421890 A1 E 16 A61B-010/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

SE 200202330 A A61B-010/00

SE 522982 C2 A61B-010/00

AU 2003247318 A1 A61B-010/00 Based on patent WO 200421890

EP 1560522 A1 E A61B-010/00 Based on patent WO 200421890

Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

US 20050240164 A1 A61M-001/00

Abstract (Basic): WO 200421890 A1

NOVELTY - A disposable sterile container (1) attached to the child's uro genital for collection of uncontaminated urine sample has an opening (4) and (5). (5) Initially sealed by water soluble adhesive substance or material (9), which is dissolved by the fluid with in a moment and sets opened, preventing first portion of fluid reaching to (1).

DETAILED DESCRIPTION - The absorbing material (7), is surrounded by waterproof barrier and gives an anatomically shaped contour to fit wearer of both sexes, is placed from the urethral meatus to (5). (4) and (5) contains channel, that eliminates direct contact between wearers skin and the inside of (1). The device has been optionally integrated with a diaper.

USE - In collecting the uncontaminated urine samples from small children.

ADVANTAGE - Diagnosis and treatment can be done quickly since samples collected are uncontaminated.

DESCRIPTION OF DRAWING(S) - The figure shows a view of sterile container.

container (1)

opening (4)

inlet (5)

absorbing material (7)

water soluble substance or material. (9)

pp; 16 DwgNo 1/4

Title Terms: DISPOSABLE; STERILE; CONTAINER; COLLECT; UNCONTAMINATED; URINE  
; SAMPLE; CHILD; INLET; INITIAL; SEAL; WATER; SOLUBLE; ADHESIVE; MATERIAL  
; PREVENT; FIRST; PORTION; FLUID; REACH; CONTAINER

Derwent Class: A92; P31; P32; P34; Q34

International Patent Class (Main): A61B-010/00; A61M-001/00

International Patent Class (Additional): A61B-005/00; A61F-005/44;

B65D-081/00

File Segment: CPI; EngPI

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Set	Items	Description
S1	0	AU=(PERLHAGEN M? OR PERHAGEN, M?)
S2	943	AU=(JONSSON R? OR JONSSON, R?)
S3	0	S2 AND (URINE? OR STERIL?(3N) (SAMPLE? OR SPECIMEN?))
File 155:	MEDLINE(R)	1950-2006/Jun 28 (c) format only 2006 Dialog
File 73:	EMBASE	1974-2006/Jun 29 (c) 2006 Elsevier Science B.V.
File 5:	Biosis Previews(R)	1969-2006/Jun W4 (c) 2006 The Thomson Corporation
File 34:	SciSearch(R)	Cited Ref Sci 1990-2006/Jun W4 (c) 2006 Inst for Sci Info
File 434:	SciSearch(R)	Cited Ref Sci 1974-1989/Dec (c) 1998 Inst for Sci Info